



Project Note

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Site Name: Jard Company Inc.
CERCLIS No.: VTD048141741
TDD No.: 12-10-0008

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Subject: Threatened / Endangered Species Habitats within the 4-Radial Miles of Jard Company, Inc. Property.

Weston Solutions, Inc. Superfund Technical Assessment and Response Team (START) obtained the "EcologicOther_RTENATCOM" Geographic Information System (GIS) shapefile in the "State Plane Coordinate System 1983" coordinate system from the Vermont Center for Geographic Information website (http://vcgi.vermont.gov/warehouse/search_tools) on 10 May 2013. This shapefile included areas of habitat for animal, invertebrate, and vertebrate species classified as state endangered, state threatened, federally endangered, and federally threatened. START utilized Environmental Systems Research Institute (ESRI) ArcMap GIS software version 10.0 to perform a query on this shapefile to remove all non-Hazard Ranking System (HRS) eligible species occurrences. START saved the query containing only HRS eligible State and Federal Threatened and Endangered Species Occurrences as "vt_threat_endang_species.shp" at E:\vt_gis_Sensitive Environments\Threatened Endangered Species for HRS.

The ArcGIS 9.1 "Create Buffers" tool was used to create radial rings extending 0 - ¼ miles, ¼ - ½ miles, ½ - 1 miles, 1 - 2 miles, 2 - 3 miles, and 3 - 4 miles outward from the property. All HRS eligible threatened and endangered species contained in the "vt_threat_endang_species" shapefile were identified within the radial rings. An ArcGIS 10.0 map depicting occurrences of Threatened & Endangered species relative to the Jard Company, Inc. property is attached. The dots may indicate the occurrence of more than one HRS Eligible Threatened and Endangered Species in the same location. START utilized a text document key "EcologicOther_RTENACOM.txt" provided with the shapfile to determine the significance of the abbreviations used in the Attributes Table for the "vt_threat_endang_species.shp" shapefile. This key and reference are attached.

Threatened and Endangered Species Habitats Located within 4-Radial Miles of Jard Company, Inc. Property

Radial Ring Distance Band in Miles	State Threatened	State Endangered	Federal Threatened	Federal Endangered
0 - ¼	--	--	--	--
¼ - ½	--	--	--	--
½ - 1	1	--	--	--
1 - 2	--	--	--	--
2 - 3	3	--	--	--
3 - 4	1	--	--	--